

**Commonwealth of Kentucky**  
**Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Reviewed by: RALPH GOSNEY, P.E.

GENERAL INFORMATION:

Name:	Dow Corning Corporation
Address:	760 Hodgenville, Elizabethtown Kentucky 42302
Date application received:	October 31, 2001
SIC/Source description:	2891 & 2822, silicon adhesive and sealants production
Source ID #:	21-093-00005
Source A.I. #:	1658
Activity #:	APE20040002
Permit number:	F-05-037

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☒ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

**EMISSIONS SUMMARY:**

Pollutant	Actual (tpy)	Potential (tpy)
PM/PM <sub>10</sub>	7.437	< 90*
SO <sub>2</sub>	0.0253	0.115
NO <sub>x</sub>	0.405	19.177
CO	0.081	15.833
VOC	26.017	< 90*
Single HAPs >10 tpy	None	< 9*
Total HAPs > 25 tpy	N/A	< 22.5*

\*Voluntary Plant-wide emissions cap.

**SOURCE DESCRIPTION:**

Dow Corning Corporation produces various specifications of silicone adhesives and sealants, and the source falls under the SIC codes 2891 & 2822, silicon adhesive and sealants production. Equipment at the plant is organized in the permit according to the sundry processing areas at this facility, inclusive of the support areas such as plant heating.

This permit is the renewed issuance of the source's plant-wide Conditional Major operating permit.

**EMISSIONS AND OPERATING CAPS DESCRIPTIONS:**

Dow Corning Corporation has requested voluntary permit emission limits of 9 tons per year (tpy) or less of a single hazardous air pollutant (HAP) and 22.5 tpy or less of combined HAPs. The source also requested a voluntary emission limit of 90 tpy or less of volatile organic compounds (VOC), particulate matter less than 10 microns (PM<sub>10</sub>) and other criteria pollutants. Compliance with these permit limits shall make the requirements of 401 KAR 52:020, Title V permits, not applicable to this source. Compliance with these limits shall also make the requirements of 40 CFR Part 63 for major sources of HAP emissions, as incorporated by reference at 401 KAR 63:002, not applicable to this source.